

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
17 July 2003 (17.07.2003)

PCT

(10) International Publication Number
WO 03/057715 A2

- (51) International Patent Classification⁷: **C07K**
- (21) International Application Number: **PCT/US02/41588**
- (22) International Filing Date:
27 December 2002 (27.12.2002)
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:
60/346,405 28 December 2001 (28.12.2001) **US**
- (71) Applicants (*for all designated States except US*): **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; 1111 Franklin Street, Oakland, CA 94607 (US). **THE BURNHAM INSTITUTE** [US/US]; 10901 N. Torrey Pines Road, La Jolla, CA 92037 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **FREEZE, Hudson** [US/US]; 211 Garfield Road, San Diego, CA 92110 (US). **SRIKRISHNA, Geetha** [IN/US]; 8503 Villa La Jolla, Apt. F, La Jolla, CA 92037 (US). **VARKI, Ajit** [US/US]; 14042 Rue d'Azur, Del Mar, CA 92014 (US). **VARKI, Nissi** [US/US]; 14042 Rue D'Azur, Del Mar, CA 92014 (US).
- (74) Agent: **CARROLL, Peter, G. #**; Medlen & Carroll, LLP, 110 Howard Street, Suite 350, San Francisco, CA 94105 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— *without international search report and to be republished upon receipt of that report*
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: NOVEL LIGAND INVOLVED IN THE TRANSMIGRATION OF LEUKOCYTES ACROSS THE ENDOTHELIUM AND USES THEREFOR

(57) Abstract: The present invention provides methods and compositions involved in the inflammatory response, as well as various pathological processes. In particular, the present invention provides novel antibodies directed against novel glycans that are enriched on endothelial cell surfaces. In addition, the present invention provides methods and compositions involved in a previously unrecognized pathway of the inflammatory response and various pathological processes. In addition the present invention provides methods and compositions suitable to mediate the inflammatory response in various settings, as well as methods and compositions for the identification of other inflammatory response mediators.

WO 03/057715 A2